

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Hiromasa TAKAHASHI *et al.*  
Serial No.: Unassigned (§53(b) Div. of 09/811,606 filed 20 March 2001)  
Filed: 13 January 2004  
For: MAGNETORESISTIVE SENSOR INCLUDING MAGNETIC DOMAIN  
CONTROL LAYERS HAVING HIGH ELECTRIC RESISTIVITY,  
MAGNETIC HEAD AND MAGNETIC DISK APPARATUS  
Group AU: Unassigned (Parent - 2652)  
Examiner: Unassigned (Parent - J. Watko)  
Conf. No.: Unassigned (Parent - 3900)

**PRELIMINARY AMENDMENT**

Mail Stop Patent Application  
Commissioner for Patents  
POB 1450  
Alexandria, Virginia 22313-1450

13 January 2004

Sir:

Prior to calculating the filing fee in connection with the above-identified application, the following amendments and remarks are respectfully submitted.

In accordance with the revised format of the manner of making amendments under 37 CFR §1.121 as set forth in the Final Rule effective 30 July 2003, each section of amendment herein begins on a new page, and changes are shown by strike-through (or double brackets where appropriate) and underlining to indicate deletions and additions, respectively. A complete listing of all claims ever presented in the application is given with the current status of each claim, and only the text of all pending and withdrawn claims is presented in full, with those not being amended herein being presented in clean version.